

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-822 REV. H AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-822 REV. 6 OR LATER APPROVED REVISION

REF. TCCA STC: SH14-14  
REF. FAA STC: SR03538NY  
REF. ANAC STC: 2014S07-11  
REF. JCAB STC: STC-372-OSA/STC-371-OSA  
REF. EASA STC: 10056574

## 1.0 PURPOSE

The purpose of this Service Instruction is to facilitate the replacement of the QD3072-46 Receptacles that are installed on the QB21308 Assembly Screen manufactured by Pall Aerospace as part of the D350-822-011/-013 PA100 PUREair System with the DSI 9815-011 Replacement Receptacle kit. The intent of this DSI has been incorporated into D350-822-011 at CHG 005 and D350-822-013 at CHG 003.

## 2.0 PROCEDURE

### 2.1 To install the DSI 9815-011 Replacement Receptacle Kits,

- 2.1.1 Open or remove the Upper Engine Cowl per the Aircraft Maintenance Manual.
- 2.1.2 Remove the Air Intake Seal and the entire QB21308 Assembly Screen by removing qty(22) fasteners per the Aircraft Maintenance Manual. Retain Hardware.
- 2.1.3 Separate the FOD screen from the QB21496 Receptacle by turning the 1/4 turn fasteners and lift the FOD screen per Figure 1.
- 2.1.4 Drill out the retaining rivets and remove qty(4) QD3072-46 Receptacles from the QB21496 Receptacle. Remove any adhesive residue.
- 2.1.5 Position the qty(4) D5713-041 Receptacle Assy in the location shown in Figure 2. Transfer drill 2x  $\varnothing 0.098$ " holes with CSK  $\varnothing 0.179$ "  $\angle 100^\circ$  on the top side from the D5713-041 Receptacle Assy to the QB21496 Receptacle. Touch up holes with Alodine 1200 per MIL-C-5541.
- 2.1.6 Mask nutplate holes and touch up the affected areas with prime and paint per ICA-D350-822.
- 2.1.7 Install qty(4) D5713-041 Receptacle Assy with qty(2) MS20426AD3-(5) Rivets per Figure 2.
- NOTE: Although not generally necessary, it is acceptable to use longer or shorter MS20426AD3-X Rivets
- 2.1.8 Remove qty(4) 1/4 Turn Fasteners from the FOD Screen per Figure 1.
- 2.1.9 Reinstall the FOD screen on the QB21496 Receptacle using qty(4) AN4-5A bolts and qty(4) NAS1149D0432J Washers per Figure 2. Torque bolts to 50-70 in-lb (5.6-7.9 N-m).
- 2.1.10 Ensure the Engine Intake is clear.
- 2.1.11 Reinstall the QB21308 Assembly Screen between the Engine Intake Duct and the Air Intake Seal using qty(22) fasteners retained at step 2.1.2 per the Aircraft Maintenance Manual.
- 2.1.12 Reinstall the Upper Engine Cowl per the Aircraft Maintenance Manual.
- 2.1.13 Update the Aircraft Log Book to indicate installation of the DSI 9815-011 Replacement Receptacle Kit.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 18.12.10  
CERT. NO.: SH14-14  
ISSUE NO.: 2

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A	NEW ISSUE	VS	18.12.10
REV.	DESCRIPTION		BY DATE
DESIGN	VS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	WK	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9815	SHEET 1 OF 4
APPROVED	VS	TITLE	SCALE
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## 2.2 To remove the FOD screen,

2.2.1 Open Upper Engine Cowl.

2.2.2 Remove qty(4) AN4-5A bolts and qty(4) NAS1149D0432J Washers per Figure 3 and remove the FOD screen.

## 2.3 ReInstallation of FOD screen,

2.3.1 Ensure the Engine Intake and FOD Screen are clear.

2.3.2 Install the FOD Screen with qty(4) AN4-5A bolts and qty(4) NAS1149D0432J Washers per Figure 2.

2.3.3 Close Upper Engine Cowl.

## 3.0 WEIGHT AND BALANCE

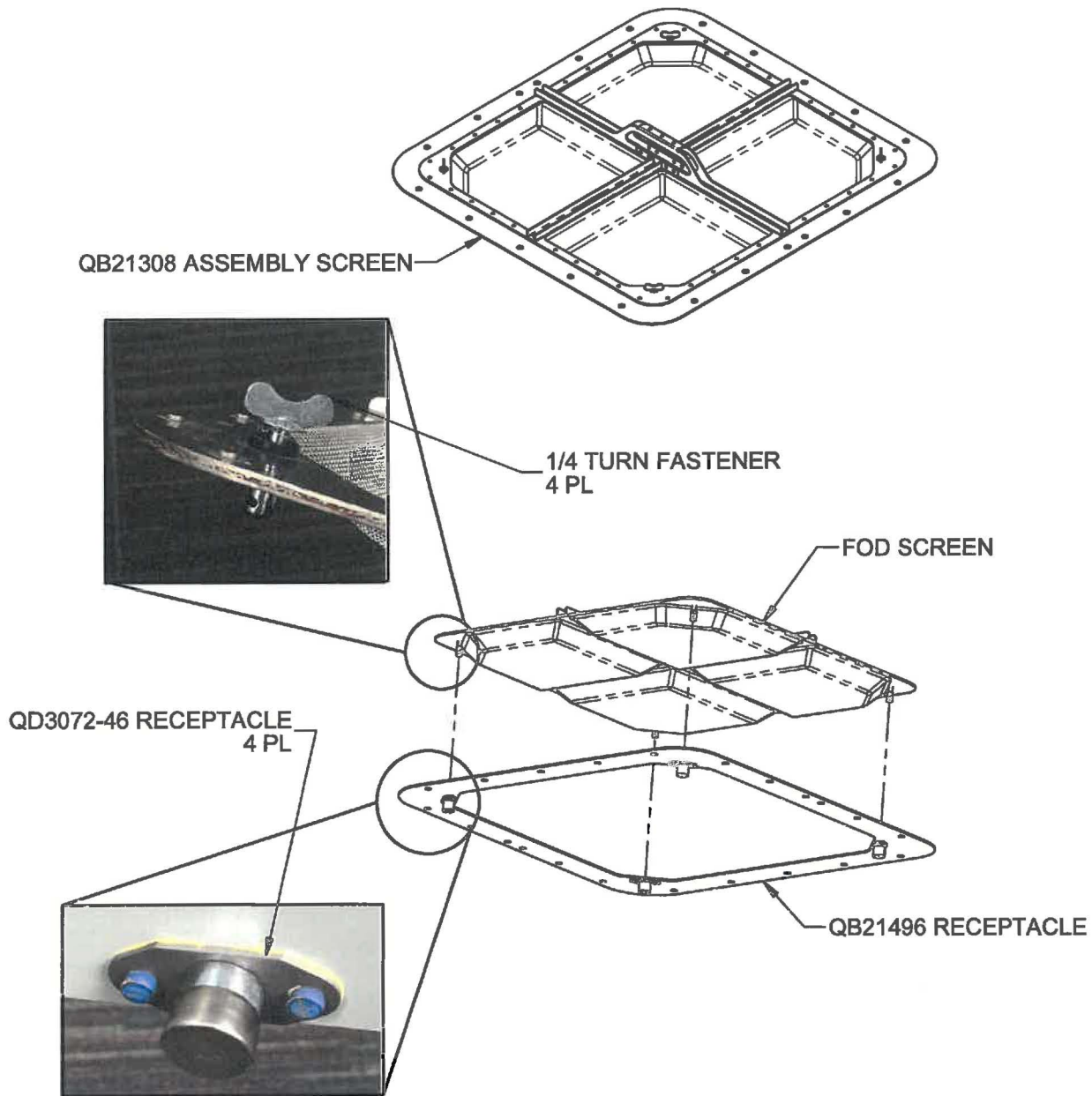
The installation of the DSI 9815-011 Replacement Receptacle Kit has negligible effect on Weight and Balance

## 4.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9815-011	REPLACEMENT RECEPTACLE KIT
4	D5713-041	RECEPTACLE ASSY
4	AN4-5A	BOLT
8	MS20426AD3-5	RIVET
4	NAS1149D0432J	WASHER

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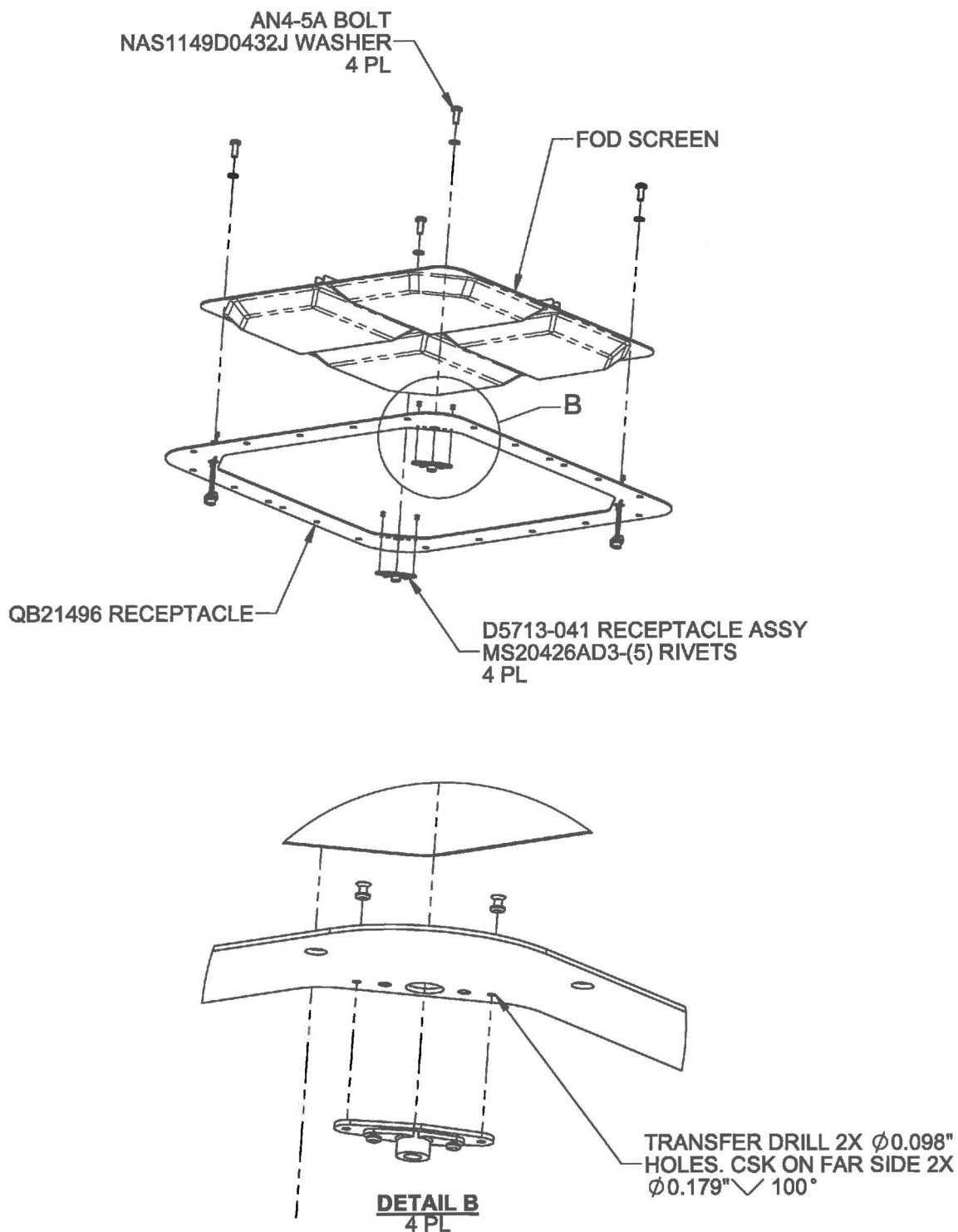
**Figure 1 - QB21308 Assembly Screen**

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**Figure 2 - DSI 9815-011 Replacement Receptacle Kit**

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